PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q96256

Yoshihide KAWAGUCHI, et al.

Appln. No.: 10/587,842

Group Art Unit: 1756

Confirmation No.: 2299

Examiner: Not yet assigned

Filed: July 28, 2006

For:

OPTICAL REFRACTIVE INDEX-MODIFYING POLYMER COMPOSITION, HOLOGRAM

RECORDING MATERIAL AND METHOD OF CONTROLLING REFRACTIVE INDEX

SUBMISSION OF ENGLISH TRANSLATION OF THE PRELIMINARY REPORT ON PATENTABILITY

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

For the Examiner's convenience, enclosed herewith is a copy of an English translation of the International Preliminary Report on Patentability dated July 19, 2007, for the above-identified application. It is noted that the four (4) references cited in the Report were previously listed on the PTO/SB/08 form submitted with the Information Disclosure Statement filed in the U.S. Patent and Trademark Office on July 28, 2006.

Respectfully submitted,

Registration No. 47,121

Keiko K. Takagi

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WASHINGTON DC-SUGHRUE/165550

65565

Date: August 9, 2007

Commence of the Control of the Contr PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING TRANSMITTAL OF COPY OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OF THE PATENT COOPERATION TREATY)

(PCT Rule 44bis.1(c))

To: NAITO, Teruo Shin-ei Patent Office 7-13, Mishi-Shirmbashi 1-chome Minato-ku, Tokyo 1050003 JAPON 07. 7.26

Date of mailing (day/month/year)
19 July 2007 (19.07.2007)

Applicant's or agent's file reference F1821WO

1204423

IMPORTANT NOTICE

International application No. PCT/JP2006/300085

International filing date (day/moruh/year) 06 January 2006 (06.01.2006)

Priority date (daylmonth/year) 07 January 2005 (07.01.2005)

Applicant

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NITTO DENKO CORPORATION et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

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e-mail: pt08.pct@wipo.int

Form PCT/IB/326 (January 2004)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file referent	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2006/300085	International filing date (day/month/year) 06 January 2006 (06.01.2006)	Priority date (day/month/year) 07 January 2005 (07.01.2005)
International Patent Classification See relevant information in For	(8th edition unless older edition indicated) m PCT/ISA/237	
Applicant NITTO DENKO CORPORATIO	N	

2.	International Searching Author This REPORT consists of a to					
			g inis cover sneet. inion of the International Searching Authority should be read as a reference			
	to the international preliminar	y report on patentability	y (Chapter I) instead.			
3.	This report contains indications relating to the following items:					
	Box No. I	Basis of the report	t			
	Box No. II	Priority				
	Box No. III	Non-establishmen applicability	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
	Box No. IV	Lack of unity of in	Lack of unity of invention Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. V	Reasoned stateme applicability; citat				
	Bex No. VI	Certain document	s cited			
	Box No. VII	Certain defects in	s in the international application			
	Bex No. VIII	Certain observation	ons on the international application			
4.	The International Bureau will not, except where the applicandate (Rule 44bis .2).	communicate this report t makes an express requ	rt to designated Offices in accordance with Rules 44 <i>bis</i> 3(c) and 93 <i>bis</i> .1 but uest ander Article 23(2), before the expiration of 30 months from the priority			
	territoria de la companya della companya della companya de la companya della comp					
			Date of issuance of this report			
	The International Bu	wan of WIPO	Anthorized officer			
	34, chemia des C 1211 Geneva 20, 8	olombettes	Masashi Honda			

e-mail: pt08.pct@wipo.int

Facsimile No. +41 22 338 82 70 Fona PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

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NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 444/s 3(c) and 72 2)

and and the control of the control o

NAITO, Teruo Shin-ei Patent Office 7-13, Nishi-Shimbashi 1-chome Minato-ku, Tokyo 1050003



(PCT Rules 44bis 5(c) and 72.2)	JAPON U1. 1.20
Date of mailing (day/month/year) 19 July 2007 (19.07.2007)	PATENT OFFICE
Applicant's or agent's file reference F1821WO 1204423	IMPORTANT NOTIFICATION
International application No. PCT/JP2006/300085	International filing date (day/month/year) 06 January 2006 (06.01.2006)
Applicani NITTO DENKO C	CORPORATION et al
1. Transmittal of the translation to the applicant.	
The International Bureau transmits herewith a copy of to patentability (Chapter 1).	the English translation of the international preliminary report on
The International Bureau transmits herewith a copy of a patentability (Chapter II).	the English translation of the international preliminary report on
2. Transmittal of the copy of the translation to the designated or	· elected Offices.
The International Bureau notifies the applicant that copies of tha Offices requiring such translation:	at translation have been transmitted to the following designated or elected
EP	
The following designated or elected Offices, having waived the translation from the International Bureau only upon their request;	requirement for such a transmittal at this time, will receive copies of that
EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, IE	M, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, D, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, NG, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, B, US, UZ, VC, VN, YU, ZA, ZM, ZW
3. Reminder regarding translation into (one of) the official langu	mage(s) of the elected Office(s).
The applicant is reminded that, where a translation of the international contain a translation of any annexes to the international preli-	ational application must be furnished to an elected Office, that translation iminary report on patentability (Chapter II).
It is the applicant's responsibility to prepare and furnish supplicable time limit (Rule 74.1). See Yolume II of the PCT A	uch translation directly to each elected Office concerned within the pplicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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Form PCT/IB/338 (January 2004)

PATENT COOPERATION TREATY

Frem INTE		NAL SEARCHI		ATENT COOPER	RATION T	TRANS		
To:				PCT PCT				
					WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
						(PCT Rule 43b/s.1)		
		7.			Date of mail			
Applie	cant's or a	gent's file referer	icc					
	821W				FOR FURTHER ACTION See paragraph 2 below			
Intern	ational ap	plication No.		International filing date				
PC	T/JP:	2006/300	085	06.01.2006		07.01.2005		
1.		PENKO CO Pirtien contains i Bax No. I Box No. II Box No. III Box No. IV Box No. V	Basis of the Priority Non-establis	ing to the following Items opinion himent of opicion with reg y of invention	gard to novelty,	inventive step and industrial applicability		
Box No. VI Certain decements cited Box No. VI Certain decuments cited Box No. VII Certain defects in the international as					one supporting such statement			
Box No. VIII Certain observations on the internati				tional application				
2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of a Laternational Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority of that this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.16ta(b) that written opinions that International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA written reply together, where appropriate, with amendments, before the expiration of 3 menths from the date of instilling of For Further opinion, see Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.								
3,		ther details, see r						
Varne a	and mailir	g address of the	ISA/IP	Date of completion o	f this opinion	Authorized officer		
acsim	ile No.					Telephone No.		

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

	EVIERNATIONAL SEARCHING AUTHORITY	PCT/JP2006/300085
lox No. I	Basis of this opinion	· · · · · · · · · · · · · · · · · · ·
. With reg	ard to the (anguage, this opinion has been established on the basis of	B
the	e international application in the language in which it was filed	
the	e translation of the international application into	which to the learners of
	nslation furnished for the purposes of international search (Rule 12.3)	(a) and 23.1(b)).
Investion	gard to any nucleotide and/or amino acid sequence disclosed in n. It is opinion has been established on the basis of: so of material	the international application and necessary to the claim
	a sequence listing	
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b. for	mat of material	
	onpaper	
	in electronic form	
c. tim	c of filing/fernishing	
	contained in the international application as filed	
	filed-together with the international application in electronic form	
تا:	formished subsequently to this Authority for the purposes of search	
190	addition, in the case that more than one version or copy of a seque nished, the required statements that the information in the subsequent d or does not go beyond the application as filed, as appropriate, were	t or additional contes is identical to that in the application
Additions	al comments:	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2006/300085

			CHING AUTHORITY		PCT/JP2006/30008	35
Box No. V	Reasoned statemer citations and expla	nt under R mations su	ule 43bis.1(a)(i) with regar pporting such statement	d to novelty, inver	tive step or industrial applicability;	
1. Statement						
Novelt	y.(N)	Class	1-10			
5		Claims				YES NO
						.,,,,,
Inventi	ve step (15)	Claims	1-10			YES
		Claims				NO
Industr	ial applicability (IA)	Claims	1-10			YES
		Claims	·			NO
2. Citations a	nd explanations:					
hydroca in the m per 100 material compos. <prior a<br="">JP, 2003 JP, 9-23 JP, 9-10</prior>	CH ₂ =C(R ¹) - C(wherein R ¹ is a fbon group that <i>t</i> to lecule thereof, t pts.wt. of polymer comprising said ition, are disclosent documents>3-147017, A (Fuji Ph 6240, A (Toyo Ii	=0)0) - hydroge may cont there ren er (A), 5 compos ed in any i Photo I toto Film uk Manu	n atom or methyl, ar tain a heteroatom or nain side chain vinyl to 60 pts.wt. of then	d R ² is a C ₁ -C halogen atom groups capab mosetting poly of refractive in hits.	22 saturated or unsaturated in the molecule thereof) in while of radical polynucrization and mer (B); a hologram recording dex control utilizing said 05.03) 15.09.97)	'n